

COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010725
CERTIFICATION DATE: August 15, 2014
DATE RECERTIFICATION DUE: February 11, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L 0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

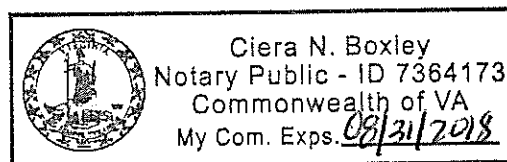
Timmy L. Neece, Jr.
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 18th day of August, 2014 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018 *mmb*



TLN

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 8/15/2014**

Instrument Serial Number: 010725	As of 15-Aug-14
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Maintenance Date	Certification Date	Technician Initials	Remarks
15-Aug-14	15-Aug-14	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.
26-Feb-14	26-Feb-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
13-Sep-13	13-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
04-Apr-13	04-Apr-13	DBH (21250)	CERTIFIED.
18-Oct-12	18-Oct-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD, REPLACED ESEK CARD READER
02-May-12	02-May-12	SED (24178)	CERTIFIED.
09-Nov-11	09-Nov-11	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
25-May-11	19-May-11	DBH (21250)	CORRECTED DRY GAS STANDARD LOT NUMBER IN INSTRUMENT MEMORY
19-May-11	19-May-11	DBH (21250)	CERTIFIED
30-Nov-10	30-Nov-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
15-Jun-10	15-Jun-10	DBH (21250)	CERTIFIED
29-Dec-09	29-Dec-09	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
15-Jul-09	15-Jul-09	DBH (21250)	CERTIFIED.
18-Mar-09	18-Mar-09	DBH (21250)	CERTIFIED.
13-Mar-09	13-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
12-Feb-09	12-Feb-09	MSK (21355)	CALIBRATED, CERTIFIED AND ACCEPTED.

TLN

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010725** Worksheet Start Date **8/15/2014**
 Location **Fort Eustis**
 Address **648 Washington Blvd Fort Eustis VA 23604**
 DFS Technician **Timmy Neece, Jr** License No. **25387**

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) **763** Reference Barometer (mm HG) **762**
 Reference Barometer(RB)Serial # **009111** RB Calibration Due **5/19/2015**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.302
0.300	0.301	0.291	0.310	Sample 2	0.302
Precision		sample min	sample max	Sample 3	0.301
0.001		0.301	0.302		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.100	0.097	0.103	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

Dry gas standard Lot No. (with tank no.) **AG400202-36**

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
 Mouthpieces
 Certificates of Analysis
 Operator Worksheet
 Other:

50
25

Notes:

Instrument Serial Number

010725

Certification Date

8/15/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.252
0.250	0.251	0.243	0.258	Sample 2	0.250
Precision		sample min	sample max	Sample 3	0.250
0.002		0.250	0.252		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.150
0.150	0.151	0.146	0.155	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0		0.150	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

8/15/14

Issuing Analyst



Date

8/15/14

mmb

Intox EC/IR-II: Certification

TLN

Department of Forensic Science

Serial Number: 010725 Test Number: 478
Test Date: 08/15/2014 Test Time: 08:38 EDT

Technician Initials: TLN

Dry Gas Target: 0.251

Lot Number: 1611425014-04 Exp Date: 07/05/2016

Tank Pressure: 767 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	08:38
BLK	0.000	08:39
CHK	0.252	08:40
BLK	0.000	08:41
CHK	0.250	08:42
BLK	0.000	08:44
CHK	0.250	08:44
BLK	0.000	08:46

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

TLN

Department of Forensic Science

Serial Number: 010725 Test Number: 479
Test Date: 08/15/2014 Test Time: 08:49 EDT

Technician Initials: TLN

Dry Gas Target: 0.151

Lot Number: 0771315013-03 Exp Date: 05/01/2015

Tank Pressure: 428 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	08:49
BLK	0.000	08:50
CHK	0.150	08:51
BLK	0.000	08:52
CHK	0.150	08:53
BLK	0.000	08:54
CHK	0.150	08:55
BLK	0.000	08:56

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/1R-11: Certification

TLN

Department of Forensic Science

Serial Number: 010725 Test Number: 480

Test Date: 08/15/2014 Test Time: 08:59 EDT

Technician Initials: TLN

Dry Gas Target: 0.080

Lot Number: 0771308012-03 Exp Date: 05/01/2015

Tank Pressure: 517 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	08:59
BLK	0.000	09:00
CHK	0.080	09:01
BLK	0.000	09:02
CHK	0.080	09:03
BLK	0.000	09:04
CHK	0.080	09:05
BLK	0.000	09:06

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

TLN

Department of Forensic Science

Serial Number: 010725 Test Number: 481

Test Date: 08/15/2014 Test Time: 09:09 EDT

Technician Initials: TLN

Dry Gas Target: 0.020

Lot Number: 3441302011-01 Exp Date: 01/01/2016

Tank Pressure: 512 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:09
BLK	0.000	09:10
CHK	0.019	09:11
BLK	0.000	09:12
CHK	0.019	09:13
BLK	0.000	09:14
CHK	0.019	09:15
BLK	0.000	09:16

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

TEN

Department of Forensic Science

Serial Number: 010725 Test Number: 482

Test Date: 08/15/2014 Test Time: 09:19 EDT

Dry Gas Target: 0.301

Lot Number: AG334603-04 Exp Date: 12/12/2015

Tank Pressure: 144 psi Barometric Pressure: 763 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:20
CHK	0.302	09:20
BLK	0.000	09:22
CHK	0.302	09:23
BLK	0.000	09:25
CHK	0.301	09:26

Test Status: *Success*

Calibration CRC: F1C91400

TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010725 Test Number: 483

Test Date: 08/15/2014 Test Time: 09:30 EDT

Dry Gas Target: 0.100

Lot Number: AG400202-36 Exp Date: 01/02/2016

Tank Pressure: 855 psi Barometric Pressure: 763 mmHg

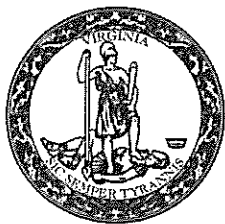
System Check: Passed

Test	g/210L	Time
BLK	0.000	09:31
CHK	0.099	09:31
BLK	0.000	09:33
CHK	0.099	09:34
BLK	0.000	09:35
CHK	0.099	09:36

Test Status: Success

Calibration CRC: F1C91400

TLN




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY NEECE, JR., TIMMY, L		AGENCY DFS Central Lab
DFS LICENSE NUMBER 25387	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 08/15/2014
TEST EQUIPMENT NUMBER 010725		

RESULTS: TIME SAMPLE TAKEN 09:45 EDT
0.00
SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 15 Aug 2014 at 11:03

mmB
TLN

Test Results

Instrument Serial Number 010725

Test # 000484 Subject Test

Test Location 1 Department of
Test Date 15 Aug 2014

Test Location 2 Forensic Science
Test Time 09:39
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name NEECE, JR.
Agency DFS Central Lab

Operator's First Name TIMMY

Operator's Middle Initial L

Card Serial Number 125387

Effective Date 10/01/2012

License Number 25387

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 15 Aug 2014 End Time 09:47

Result Time 09:45

Result Date 15 Aug 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:39

Data Type BLK

Sample Value 0.000

Sample Time 09:40

Data Type CHK

Sample Value 0.099

Sample Time 09:41

Data Type BLK

Sample Value 0.000

Sample Time 09:42

Data Type SUBJ

Sample Value 0.000

Sample Time 09:43

Data Type BLK

Sample Value 0.000

Sample Time 09:44

Data Type SUBJ

Sample Value 0.000

Sample Time 09:45

Data Type BLK

Sample Value 0.000

Sample Time 09:46

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG400202-36

Standard Expiration Date 01/02/2016

Tank Pressure 840

Barometric Pressure 763 mmHg

Blow Sample Number 1 Blow Duration 2.82 sec

Blow Volume 2015 cc End-of-Blow Time 09:43

Blow Sample Number 2 Blow Duration 2.61 sec

Blow Volume 1802 cc End-of-Blow Time 09:45

Tamper Evident Stamp 5f2a1cfc

Test Status Code 0

Test Status Success